

DIGITAL ELECTROCHROMIC MIRROR SYSTEM

ABSTRACT OF THE DISCLOSURE

A vehicular electrochromic rearview mirror system includes an interior electrochromic rearview mirror assembly and at least one exterior electrochromic rearview mirror assembly.

- 5 Each mirror assembly includes an electrochromic reflective element that assumes a partial reflectance level in response to a signal applied thereto. A drive circuit applies a drive signal to each of the electrochromic reflective elements. The drive circuit may include a digital controller, a master drive circuit responsive to the digital controller to apply a first drive signal to one of the electrochromic reflective elements and a slave drive circuit responsive to the digital
- 10 controller to apply a second drive signal to a second of the electrochromic reflective elements. The second drive signal may be derived from the first drive signal. The drive circuit may include a digital controller and a switching power supply controlled by the digital controller to produce a drive signal.